

**FILL** *Receipt*

ATTORNEY DOCKET NO. NC056-US1/5487-81

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Mullaney et al.

Serial No.: 09/626,168

Filed: July 27, 2000

Group Art Unit: 2745

For: TERMINAL BLOCKS AND METHODS FOR MAKING AND BREAKING  
CONNECTIONS IN A TELECOMMUNICATIONS CONDUCTOR

Date: January 15, 2001

Commissioner for Patents  
Washington, DC 20231

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REQUEST FOR CORRECTED FILING RECEIPT

Sir:

In reviewing the filing receipt (copy attached) for the above referenced application, Applicants note that one of the inventors, Randy D. Wilkinson, does not appear on the filing receipt. Attached is a copy of the Declaration and the Application cover sheet including this inventor. Also, Applicants note that "United Kingdom" appears after the address of Julian Mullaney and should be deleted.

Applicants note that the title appears as follows: Terminal blocks and methodd for making and breaking connections in a telecommunications conductor. The word "methodd" should be --methods--. The correct title, as listed on the application (first page attached), should read: Terminal blocks and methods for making and breaking connections in a telecommunications conductor.

Applicants request that a new filing receipt be issued.

Finally, Applicants note that a Petition under 37 C.F.R. § 1.48, a Verified Statement of Facts Under 37 C.F.R. § 1.48; Consent of Assignee to Change Inventorship Under 1.48; and Declaration and Power of Attorney, to add Eric Emmanuel Alston as an inventor, are filed as of the same date as this Request for Corrected Filing Receipt.

Respectfully submitted,

Robert W. Glatz

Registration No. 36,811

In re: Mullaney et al.  
Serial No. 09/626,168  
Filed: July 27, 2000  
Page 2



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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, DC 20231, on January 15, 2001.

Michele P. McMahan

Michele P. McMahan

Date of Signature: January 15, 2001



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/626,168	07/27/2000	2745	1902	NC056- US1/5487- 81	26	70	

Marguerite E Gerstner  
Tyco Electronics Corporation  
M/S R20/1B  
307 Constitution Drive  
Menlo Park, CA 94026-1164

NC  
xc: memo file

## FILING RECEIPT



\*OC000000005402392\*

COPY

Date Mailed: 09/15/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Julian Mullaney, Raleigh, NC UNITED KINGDOM;  
William Alan Carrico, Raleigh, NC;  
Randy D. Wilkinson

## Continuing Data as Claimed by Applicant

## Foreign Applications

If Required, Foreign Filing License Granted 09/15/2000

## Title

*methods*  
Terminal blocks and methodd for making and breaking connections in a telecommunications conductor

## Preliminary Class

455

Data entry by : BATIE, MARGARET

Team : OIPE

Date: 09/15/2000

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INTELLECTUAL  
PROPERTY LAW DEPT  
FU-VAR

B. Glatz

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9/15/00



COPY

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

Attorney Docket No. NC056-US1/5487-81

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **TERMINAL BLOCKS AND METHODS FOR MAKING AND BREAKING CONNECTIONS IN A TELECOMMUNICATIONS CONDUCTOR**,

the specification of which

☒ [ X ] is attached hereto

OR

☐ [ ] was filed on as United States Application No. or PCT International Application Number and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

None			<input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

			<input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> [ ] Yes <input type="checkbox"/> [ ] No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

None	
Application Number(s)	Filing Date (MM/DD/YYYY)

Application Number(s)	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application (37 C.F.R. § 1.63(d)).

Appln. Serial No.	Filing Date	Status Patented/Pending/Abandoned

Appln. Serial No.	Filing Date	Status Patented/Pending/Abandoned

Appln. Serial No.	Filing Date	Status Patented/Pending/Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name	Registration Number	Name	Registration Number
Marguerite E. Gerstner	32,695	Sheri M. Novack	32,695
D. Randal Ayers	40,493	Karen A. Magri	41,965
David D. Beatty	38,071	James D. Myers	28,330
Mitchell S. Bigel	29,614	Timothy J. O'Sullivan	35,632
Sorojini J. Biswas	39,111	Julie H. Richardson	40,142
Needham J. Boddie, II	40,519	F. Michael Sajovec	31,793
James R. Cannon	35,839	Grant J. Scott	36,925
Robert W. Glatz	36,811	Kenneth D. Sibley	31,665
Scott C. Hatfield	38,176	Robert J. Smith	40,820

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Intellectual Property Law Department  
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307 Constitution Drive  
Menlo Park, California 94026-1164

Direct telephone calls to:

Robert W. Glatz  
(919) 854-1400

Facsimile:

(919) 854-1401

Full name of (first/sole) inventor: **Julian Mullaney**

Inventor's

Signature: 

Date: July 26 '00

Residence:

Raleigh, North Carolina

Citizenship:

United Kingdom

Post Office Address:

1423 Ridge Road  
Raleigh, North Carolina 27607

Full name of second inventor: **William Alan Carrico**

Inventor's

Signature: Will Alan Carrico Date: 7-26-00

Residence: Raleigh, North Carolina

Citizenship: United States of America

Post Office Address: 6008 Wildorlyn Circle  
Raleigh, NC 27603

Full name of third inventor: **Randy Duaine Wilkinson**

Inventor's  
Signature: *Randy Duaine Wilkinson* Date: 7-26-00

Residence: Angier, North Carolina

Citizenship: United States of America

Post Office Address: 76 Lester Street  
Angier, North Carolina 27501





Attorney Docket: NC056-US1/5487-81

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## **TERMINAL BLOCKS AND METHODS FOR MAKING AND BREAKING CONNECTIONS IN A TELECOMMUNICATIONS CONDUCTOR**

### **Field of the Invention**

5 The present invention relates generally to telecommunications and, more particularly, to connecting devices and methods for connecting telecommunications conductors.

### **Background of the Invention**

10 Terminal blocks are used by telecommunications companies to connect connector wires of a multi-core cable to service wires that extend to customer residences or places of business. Such terminal blocks are typically mounted outdoors and are, thus, exposed to environmental conditions, such as rain, snow, sleet, ice, temperature fluctuations, dirt, insect infestation and similar conditions that may adversely affect the electrical connections between the service wires and the electrical connectors. Thus, some form of sealant material may be provided in  
15 such terminal blocks.

Referring now to the schematic illustration of FIG. 1, a typical telephone company (Telco) telecommunications conductor cable 20 extends from the Telco central office 22 to feed pedestals in a neighborhood or neighborhoods. The Telco telecommunications conductor cable 20 may include as many 900 or more pairs of  
20 telecommunications conductor wires. At a splice 24, one or more of the pairs of



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: NC056-US1/5487-81

DATE: July 27, 2000

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR 1.53(b))**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

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Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is:

- ☒ a patent application  
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP)  
of prior application no.: ; filed  
☐ A Small Entity Statement(s) was filed in the prior application; Status still proper and desired.

Inventor(s) or Application Identifier:

**Julian Mullaney, William Alan Carrico, ~~Randy Duaine Wilkinson~~**

Entitled: **TERMINAL BLOCKS AND METHODS FOR MAKING AND BREAKING  
CONNECTIONS IN A TELECOMMUNICATION CONDUCTOR**

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ 55 pages of Specification (including 70 claims)
3. ☒ 26 sheets of Drawings (35 USC 113)
4. ☒ Oath or Declaration
  - a. ☒ newly executed (*original or copy*)
  - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 5 Below]
  - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Microfiche Computer Program (*Appendix*)
7. ☒ Assignment papers (*cover sheet(s) and document(s)*)
8. ☐ Small Entity Statement(s)
9. ☐ Information Disclosure Statement, PTO-1449, and references cited
10. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)
11. ☐ English Translation Document
12. ☐ Certified Copy of Application No. ; Filed

13. ☐ Sequence Listing/ Sequence Listing Diskette  
 a. ☐ computer readable copy  
 b. ☐ paper copy  
 c. ☐ statement in support
14. ☐ An Associate Power of Attorney
15. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
16. ☐ Other:


The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate Fee	Large Entity Rate Fee
BASIC FEE			\$345.00	\$690.00
TOTAL CLAIMS	70 - 20 =	50	x 09 = \$	x 18 = \$ 900.00
INDEP CLAIMS	7 - 3 =	4	x 39 = \$	x 78 = \$ 312.00
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 135 = \$	+ 270 = \$
<i>If the difference in Col. 1 is less than zero, Enter "0" in Col. 2</i>			Total \$	Total \$1,902.00

☒ A check in the amount of \$ 1,942.00 is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).

- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0220.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

  
 Robert W. Glatz  
 Registration No. 36,811

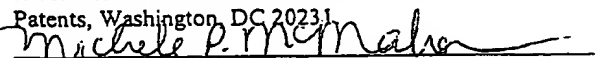
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 307 Constitution Drive  
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 Tel.: 650-361-2483  
 Fax: 650-361-5623

**EL533613680US**

**CERTIFICATE OF EXPRESS MAILING**

Express Mail Label No. EL533613680US  
 Date of Deposit: July 27, 2000

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Assistant Commissioner f

  
 Michele P. McMahan Date of Signature: July 27, 2000



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
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Bib Data Sheet

<b>SERIAL NUMBER</b> 09/626,168	<b>FILING DATE</b> 07/27/2000 <b>RULE</b> -	<b>CLASS</b> 455	<b>GROUP ART UNIT</b> <del>2745</del> 2645	<b>ATTORNEY DOCKET NO.</b> NC056-US1/5487-81	
<b>APPLICANTS</b> Julian Mullaney, Raleigh, NC UNITED KINGDOM; William Alan Carrico, Raleigh, NC ; Randy Duaine Wilkinson, Angier, NC ; Eric Emmanuel Alston, Fuquay-Varina, NC ;  ** CONTINUING DATA ***** none  ** FOREIGN APPLICATIONS ***** none  <b>IF REQUIRED, FOREIGN FILING LICENSE</b> <b>GRANTED ** 09/15/2000</b> -					
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after met Verified and Acknowledged <u>Overly Greenblatt</u> <u>09</u> Examiner's Signature Initials		<b>STATE OR COUNTRY</b> NC	<b>SHEETS DRAWING</b> 26	<b>TOTAL CLAIMS</b> 70	<b>INDEPENDENT CLAIMS</b> 7
<b>ADDRESS</b>  Marguerite E Gerstner Tyco Electronics Corporation M/S R20/1B 307 Constitution Drive Menlo Park ,CA 94026-1164					
<b>TITLE</b> TERMINAL BLOCKS AND METHODS FOR MAKING AND BREAKING CONNECTIONS IN A TELECOMMUNICATION CONDUCTOR					
<b>FILING FEE RECEIVED</b> 1902	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		